

a 3. (Amended) The cable of claim 1, wherein the central conductive core includes a central cavity.

a2 6. (Amended) The cable of claim 1, wherein the central conductive core is formed principally of a solid fluoropolymer.

a2 7. (Amended) The cable of claim 1, wherein the central conductive core is formed principally of a foamed fluoropolymer.

a2 8. (Amended) The cable of claim 1, wherein the central conductive core is formed principally of polyvinyl chloride.

a3 11. (Amended) The cable of claim 1, wherein the central conductive core is formed of any two or more of a solid fluoropolymer, a foamed fluoropolymer, solid polyvinyl chloride and foamed polyvinyl chloride.

12. (Amended) An unshielded cable, comprising:

a plurality of transmission media radially disposed about a finned element whose fins electromagnetically shield each of the plurality of transmission media from each other of the plurality of transmission media.

Please add the following new claims for initial examination:

a4 17. (New) The cable as claimed in claim 1, further comprising a non-conductive binder that maintains the plurality of transmission media in corresponding channels of the central conductive core.

18. (New) The cable of claim 12, wherein the finned element comprises four fins extending radially outward from a center of the finned element, each of the four fins having substantially parallel sides.

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19. (New) An unshielded data cable comprising:
a plurality of twisted pairs of conductors;
a central core having a surface that defines a plurality of channels within which the plurality of twisted pairs of conductors are individually disposed;
an outer jacket that maintains the plurality of twisted pairs of conductors in position with respect to the central core, the outer jacket being formed of a non-conductive material; and
wherein the unshielded data cable does not include a shield that encloses any of the plurality of conductors and the central core.

20. (New) The unshielded data cable of claim 19, wherein the central core comprises a plurality of fins extending radially outward from a center of the core to at least an outer boundary defined by an outer dimension of the twisted pairs of conductors.

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21.* (New) The unshielded data cable of claim *20*, wherein each of the plurality of fins has substantially parallel sides.

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22. (New) The unshielded data cable of claim 19, wherein the central core comprises four fins, each fin extending radially outward from a center of the core at substantially right angles to at least one other of the four fins.

23. (New) The unshielded data cable of claim 19, wherein the central core comprises:
at least one of a solid fluoropolymer, a foamed fluoropolymer, foamed polyvinyl chloride, and solid polyvinyl chloride; and
a filler that renders the central core conductive.

24. (New) The unshielded data of claim 23, wherein the filler is at least one of powdered ferrite, a semiconductive thermoplastic elastomer, and carbon black.